

Briefing Summary
Enforcement Decision Document
Lees Lane Landfill, Jefferson County, Kentucky

Schedule: September 25, 1986

Purpose: To inform the Regional Administrator of staff recommendations for Remedial Action at the Lees Lane Landfill site.

Organization: Emergency and Remedial Response Branch

Lead Participant: Beverly Houston

Other Participants: Bob Caplan, ORC; Pauline Ofosu; Bert Cole, ICS; Russ Wright, RAS; Ralph Jennings, RAS.

Recommendation: That the Regional Administrator approve the staff recommendation for surface waste cleanup, bank protection controls, a gas collection and venting system, monitoring, and necessary institutional controls (e.g. cautionary signs and installation of a gate at the Putnam Street access point).

Background:

- The Lees Lane Landfill site, consisting of 112 acres, is located adjacent to the Ohio River.
- The site lies within the 100-year floodplain.
- Landfilling operations were reported to have begun in the late 1940's.
- The site received domestic, commercial, solid municipal, and industrial wastes over a 27-year period.
- In March 1975, seven families were evacuated from Riverside Gardens because of explosive levels of methane gas detected in their homes.
- In April 1975, the Lees Lane Landfill was closed.
- In February 1980, the Kentucky Department of Hazardous Materials and Waste Management discovered approximately 400 drums at the site. Over 50 chemicals were identified including phenolic resins, benzene, relatively high concentrations of copper, nickel, lead, and chromium. The hazardous materials were removed from the drums and transported to an approved HWDF. The remaining nonhazardous drummed materials and the empty drums were buried onsite.
- In December 1982, the site was ranked on the National Priorities List (NPL) with a MITRE ranking of 39.52.
- In May 1983, the Remedial Action Master Plan was completed by NUS Corporation.

- In October 1984, EPA approved the workplan for the performance of the RI.
- In September 1985, as a result of odor complaints by Riverside Gardens residents, EPA began an air investigation to access the extent of inhalation exposure from gaseous contaminants that may be emitted from the Lees Lane Landfill to local residents. The study was completed in September 1986.
- In April 1986, the RI/FS was finalized by NUS-FIT Corporation.

Issues Remaining

The Agency and the PRPs are in the process of negotiating the consent order to implement the selected remedy. ORC anticipates that this order will be signed by September 30, 1986.